

The figure displays five DSC thermograms for poly(2-vinylpyridine) samples with different levels of poly(2,2,5-trimethyl-1,3-dioxane) grafting. The y-axis represents Heat Flow (Endo Down) in mW, ranging from -10 to 55. The x-axis represents Temperature in °C, ranging from -95 to 100. The curves are labeled with their respective grafting percentages: 0%, 0.1%, 1%, 5%, and 10%. The 0% curve shows a broad endothermic peak centered around 0°C. As the grafting percentage increases, the endothermic peak becomes sharper and shifts slightly to higher temperatures, reaching approximately 10°C for the 10% grafted sample. The baseline for each curve is offset vertically for clarity.

Fig. 1A

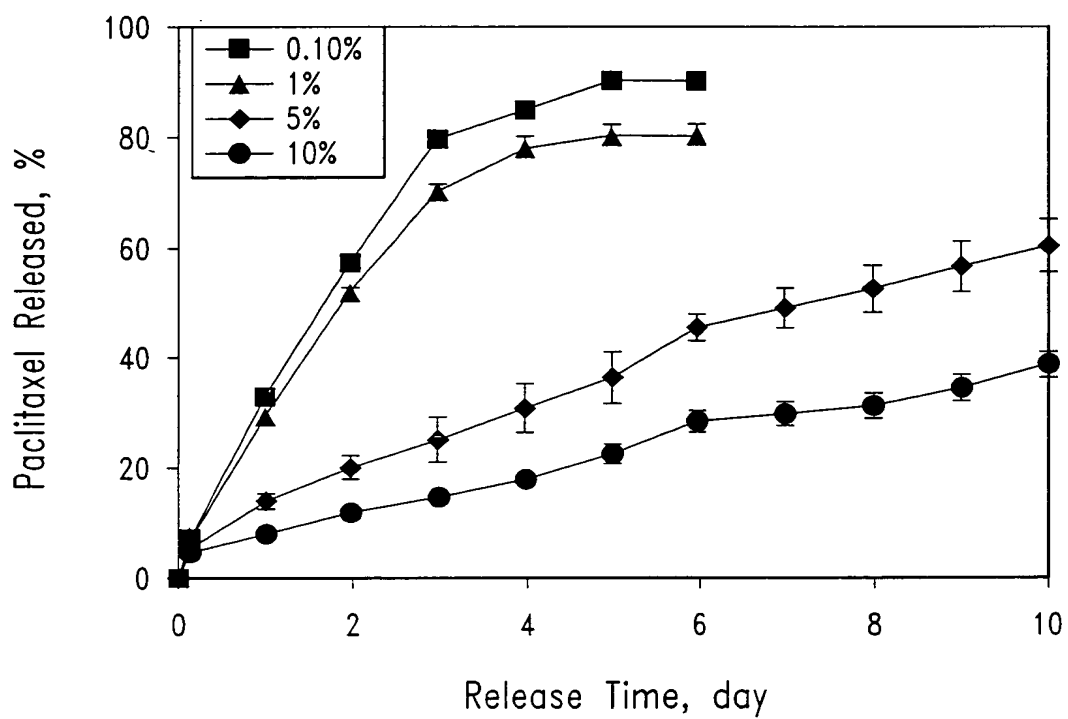


Fig. 2A

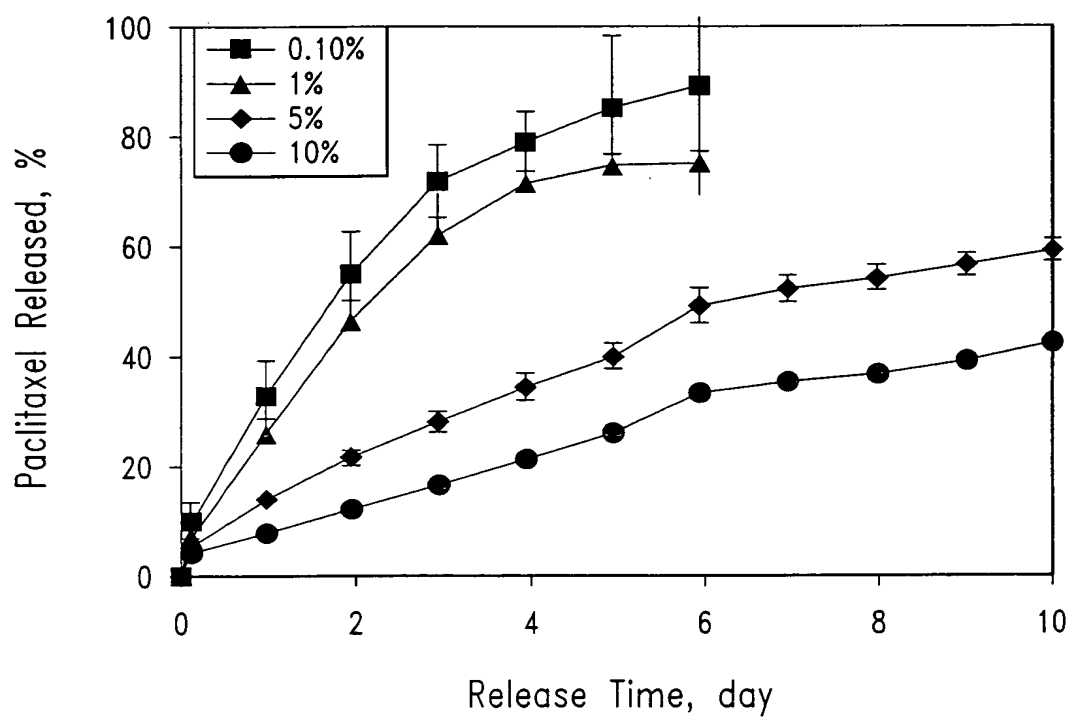


Fig. 2B

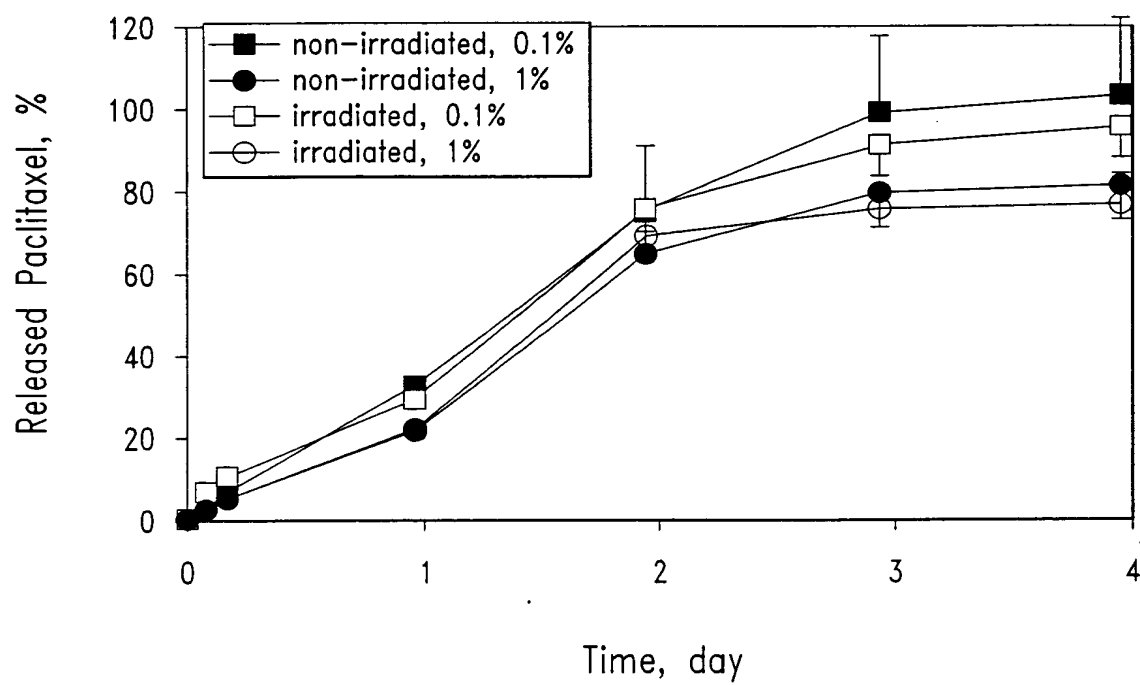


Fig. 3

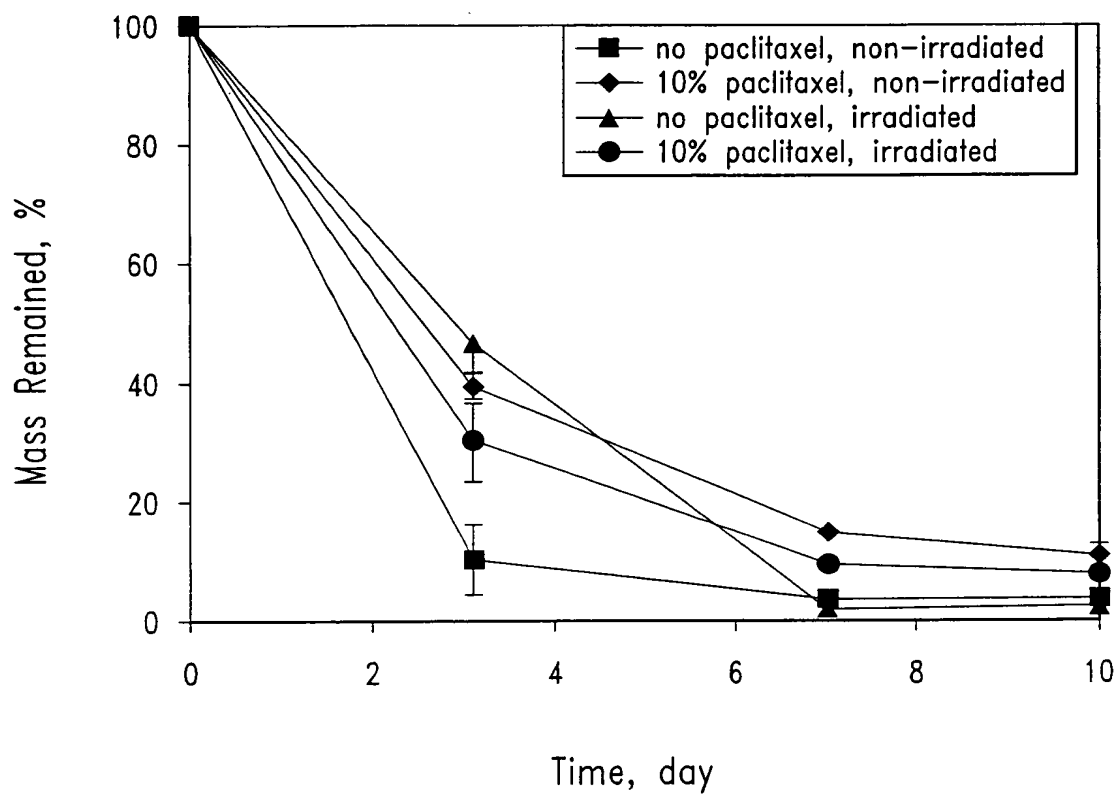


Fig. 4

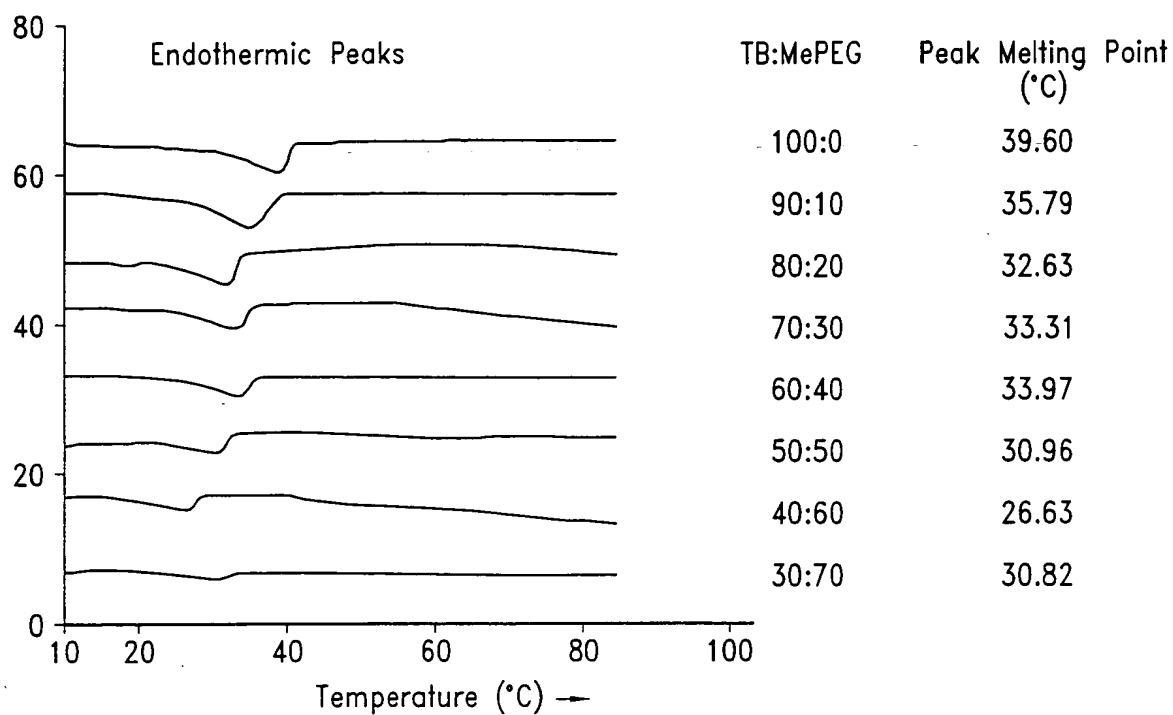


Fig. 5A

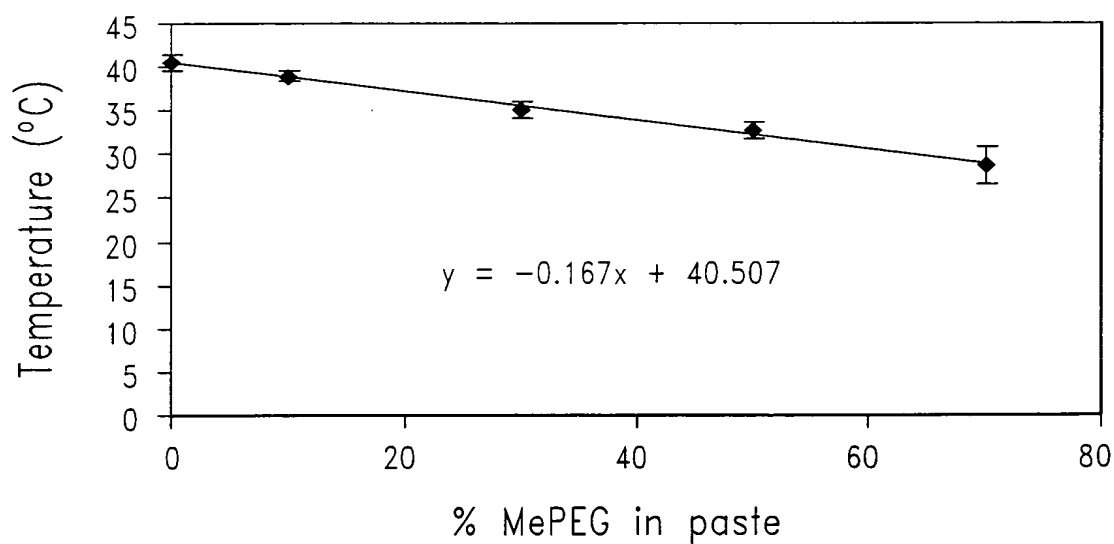


Fig. 5B

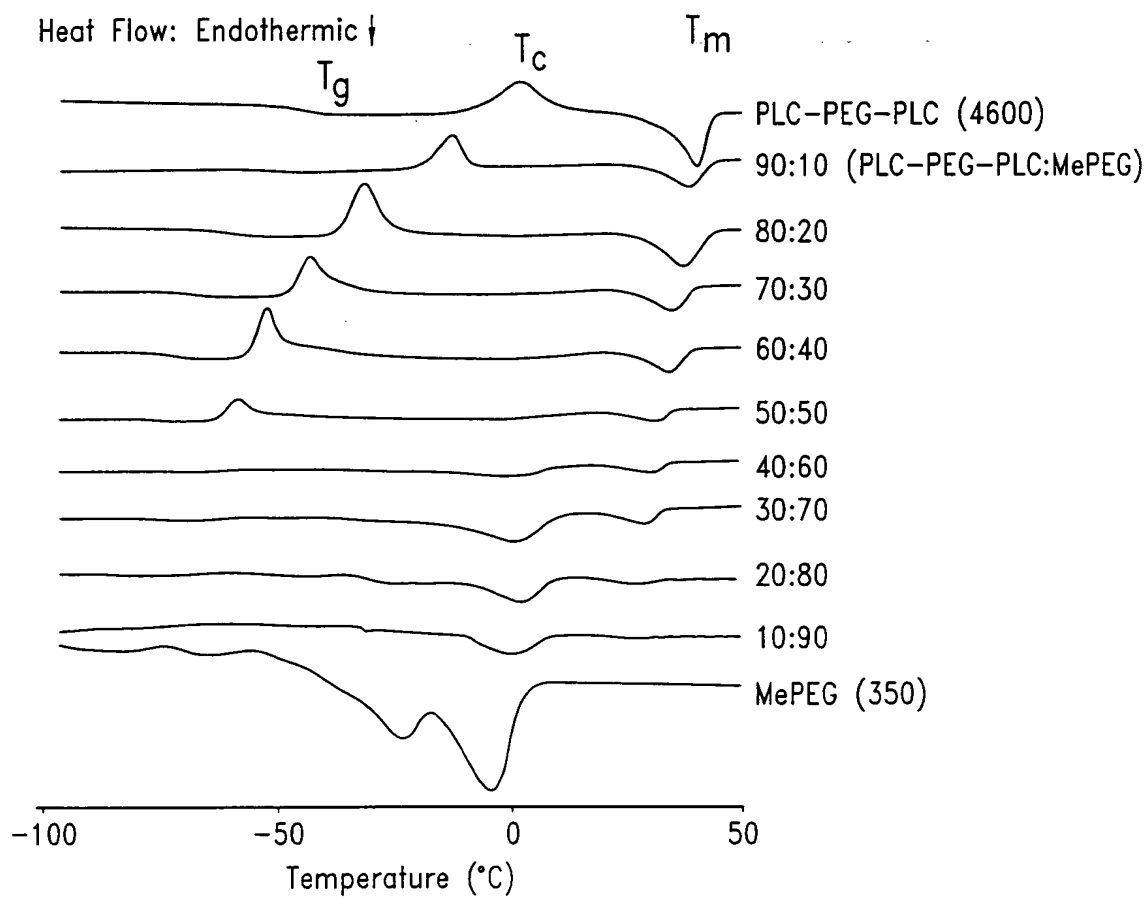


Fig. 5C

Fig. 6

Fig. 7

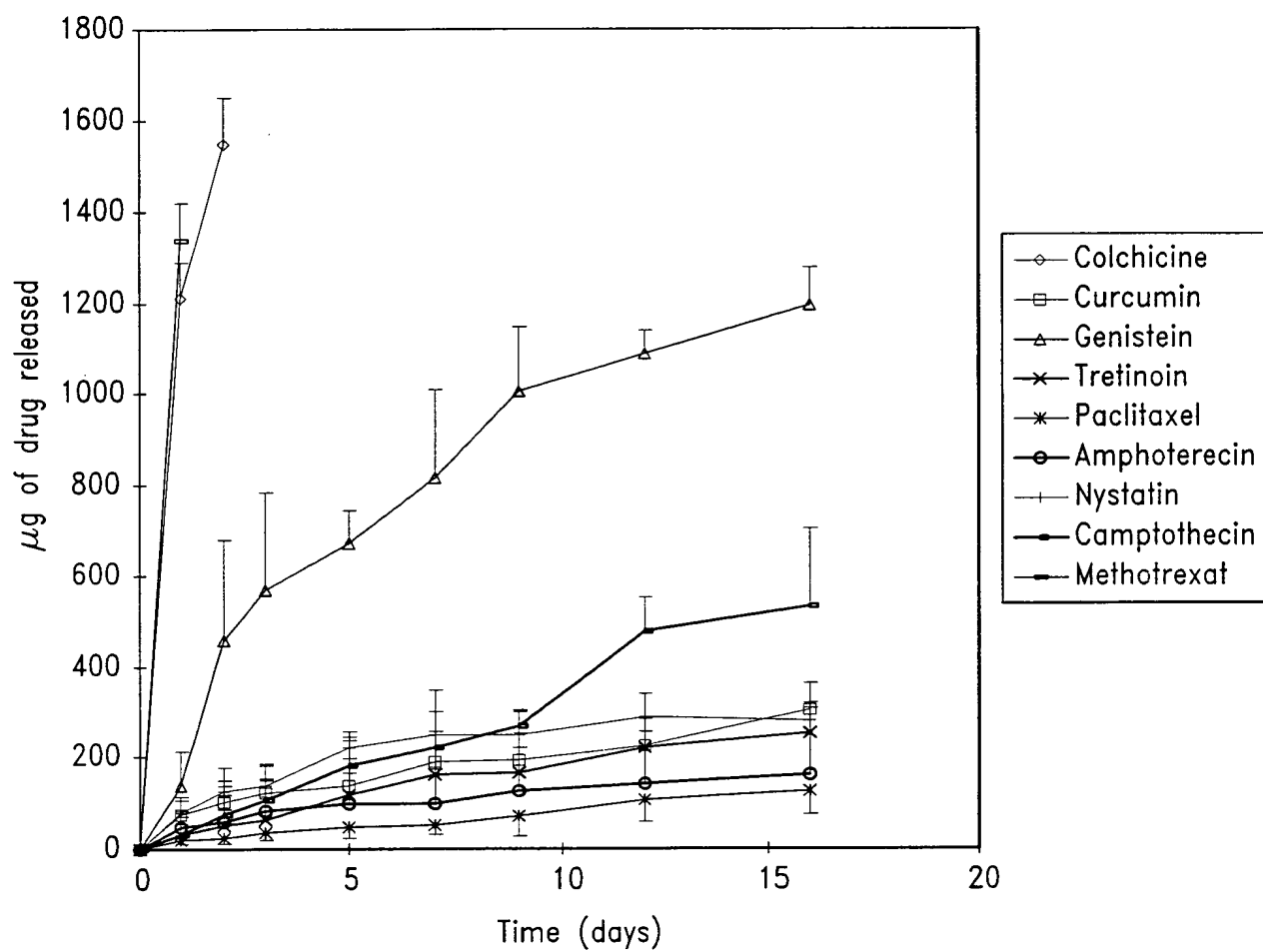


Fig. 8A

Time (days)	Colchicine	Curcumin	Genistein	Tretinoin	Paclitaxel	Amphoterecin	Nystatin	Camptothecin	Methotrexate
0	0	0	0	0	0	0	0	0	0
1	80	5	10	2	1	1	1	2	2
2	100	8	30	3	2	2	2	3	3
3	-	10	38	4	3	3	3	4	4
5	-	12	44	6	4	6	6	6	6
7	-	15	54	10	5	8	8	8	8
9	-	18	68	12	6	10	10	10	10
12	-	18	72	14	7	10	10	12	12
16	-	20	80	17	8	11	11	16	16

Fig. 8B

Time (days)	40% TB : 60% MePEG (◆)	50% TB : 50% MePEG (▲)	60% TB : 40% MePEG (●)	70% TB : 30% MePEG (◇)	80% TB : 20% MePEG (■)	90% TB : 10% MePEG (△)
0	0	0	0	0	0	0
7	35	30	25	45	20	15
14	45	40	35	50	25	20
21	70	65	60	75	45	45
28	85	70	65	80	50	50
35	95	80	75	90	65	60
42	100	85	80	100	80	75
49	105	90	85	105	90	80
56	110	95	90	105	105	90

Fig. 9A

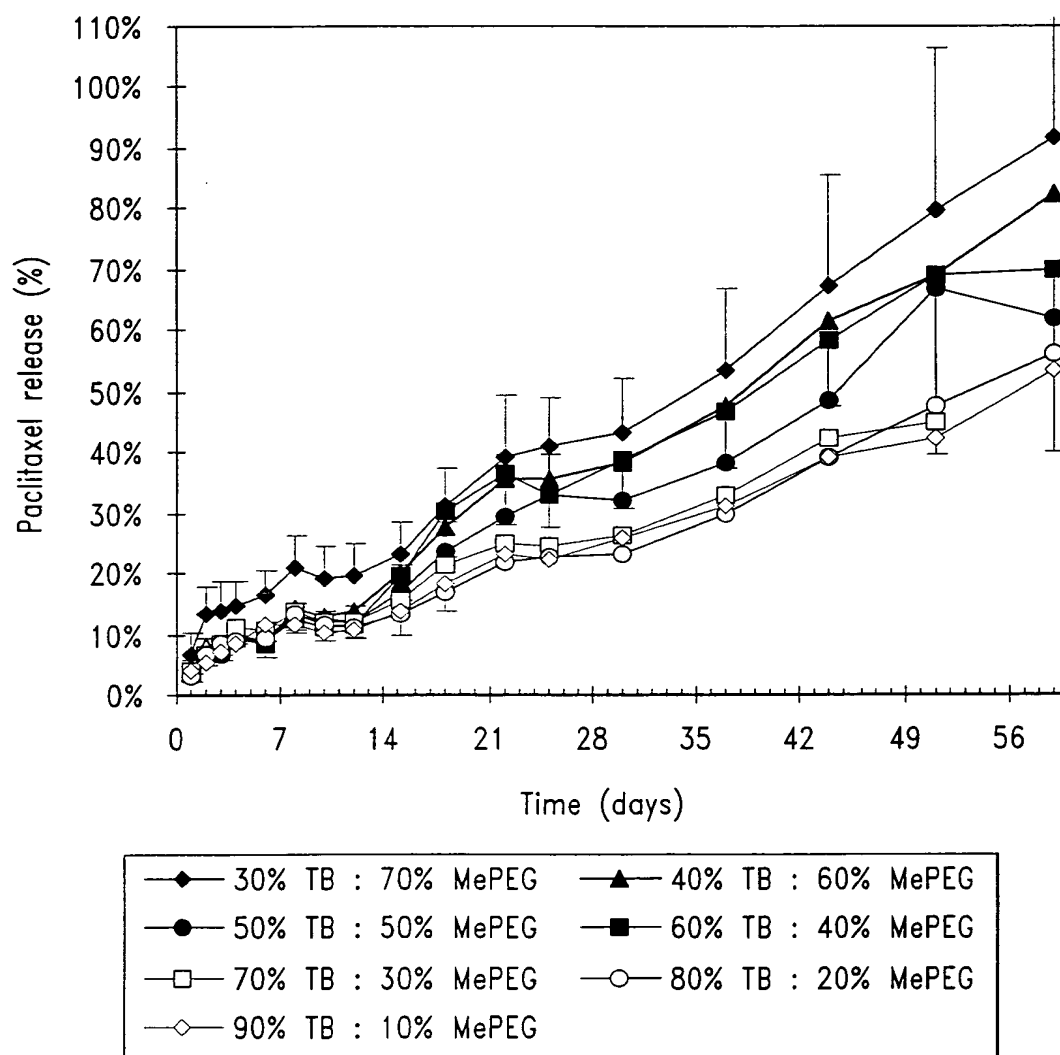


Fig. 9B

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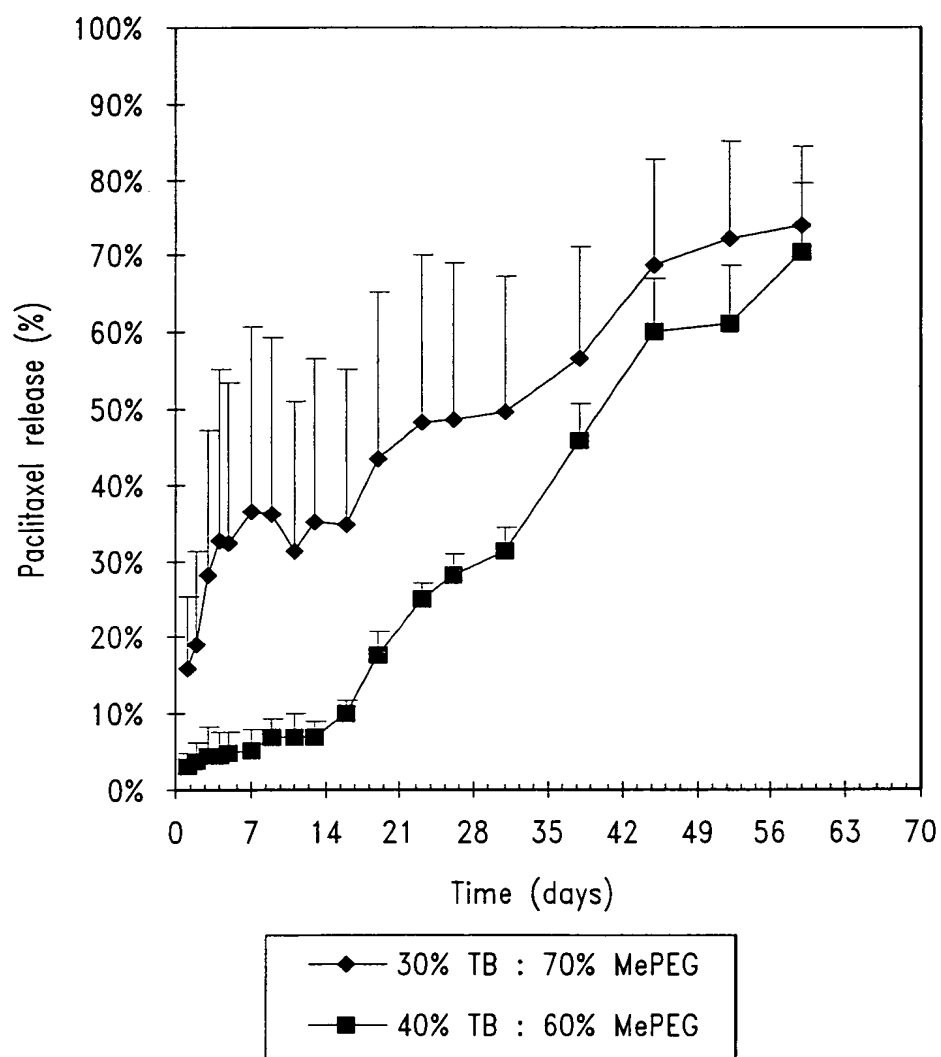


Fig. 9C

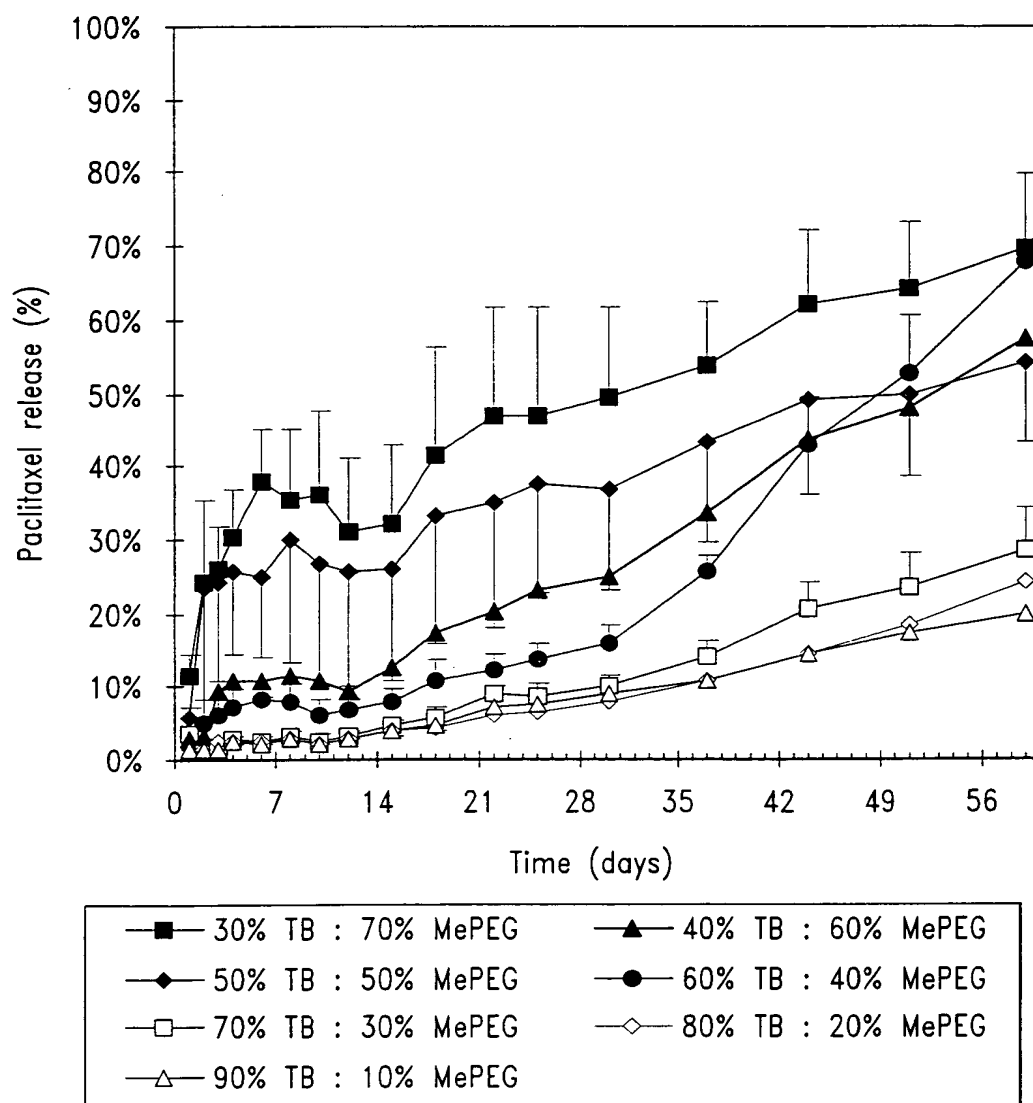


Fig. 9D

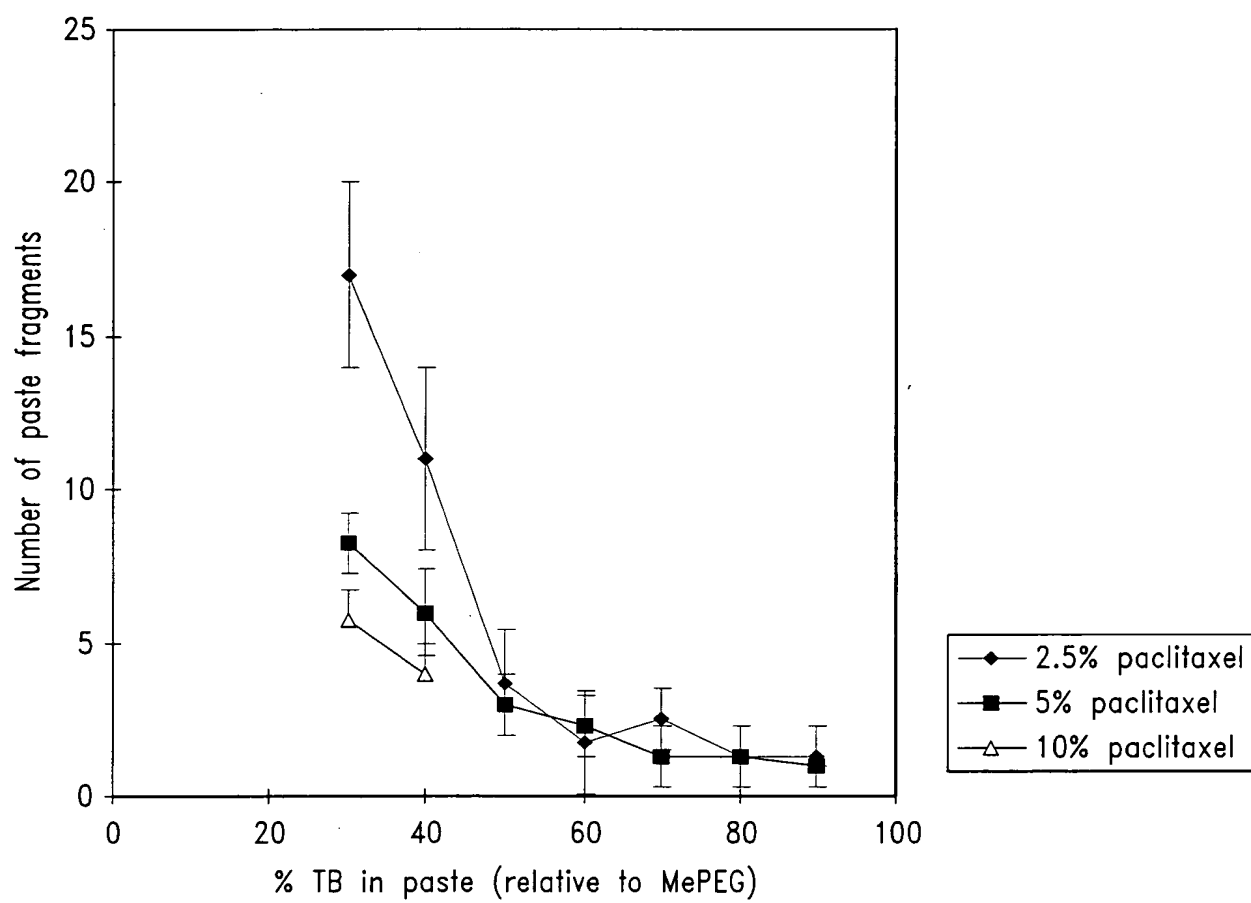


Fig. 10A

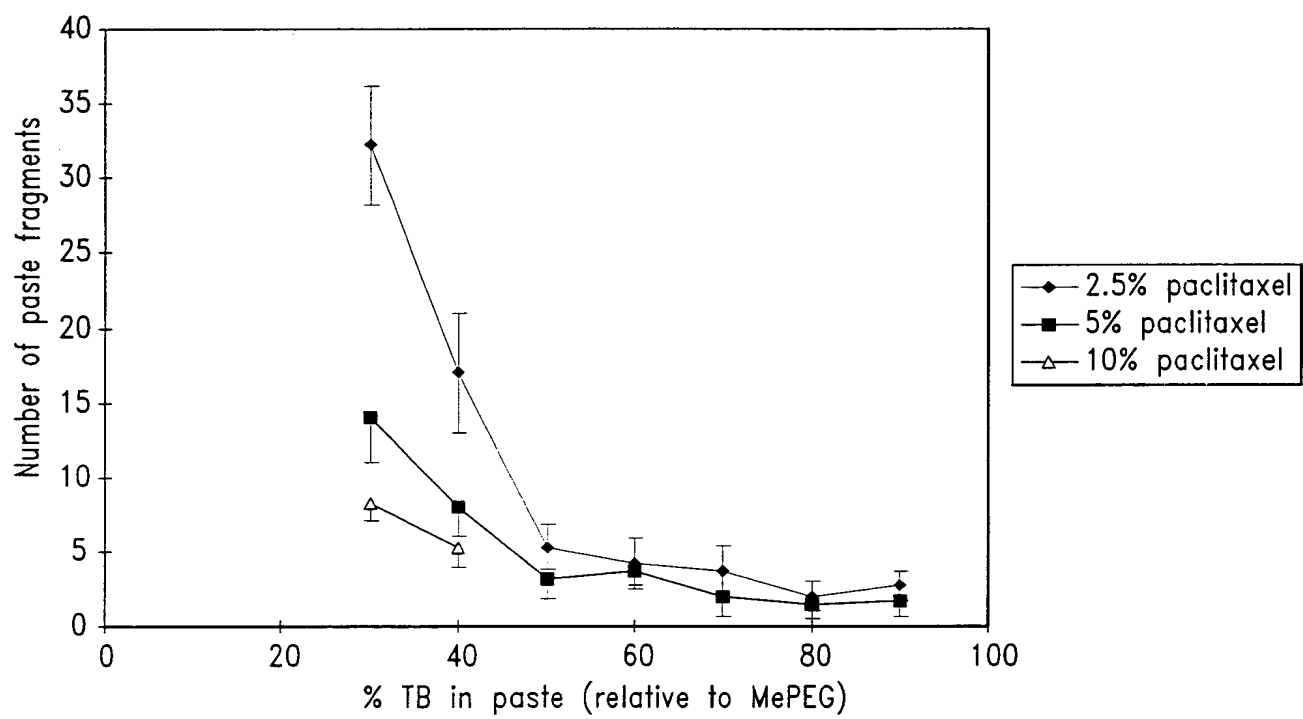


Fig. 10B

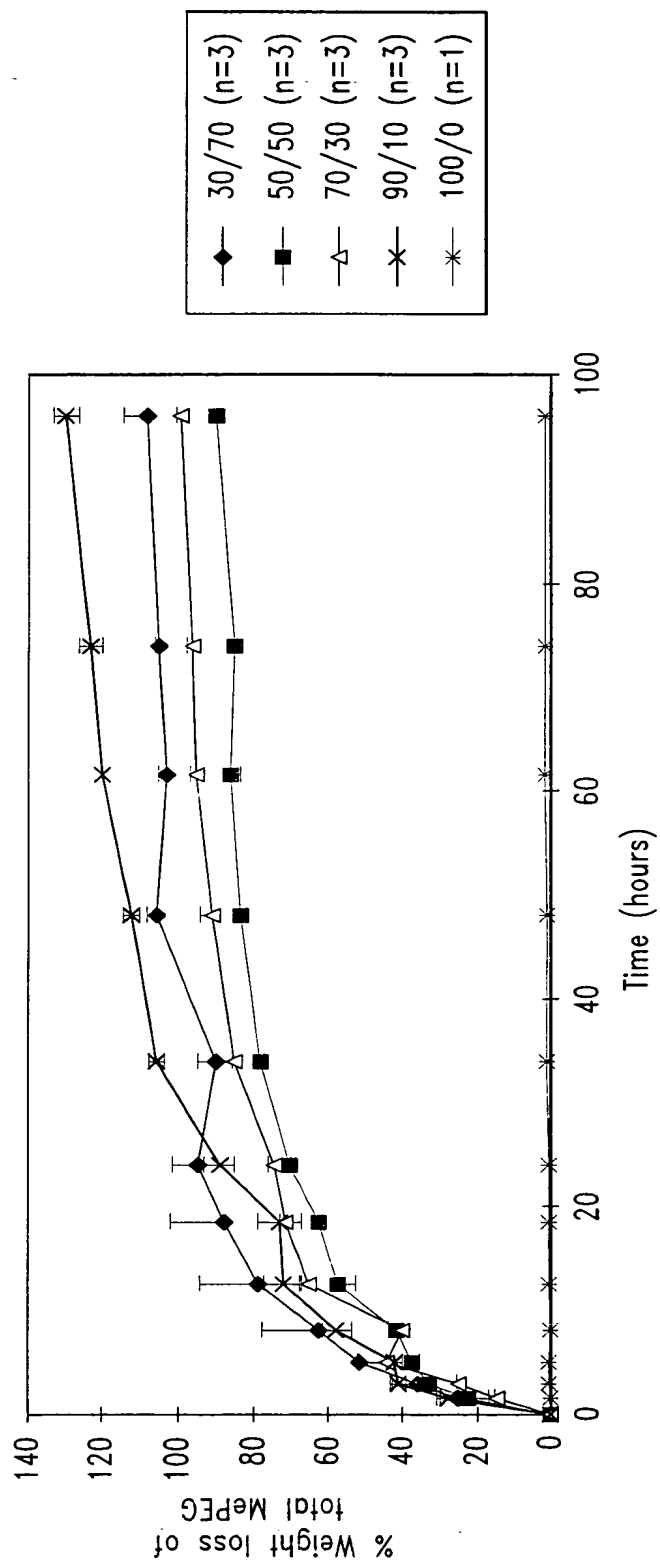


Fig. 11A

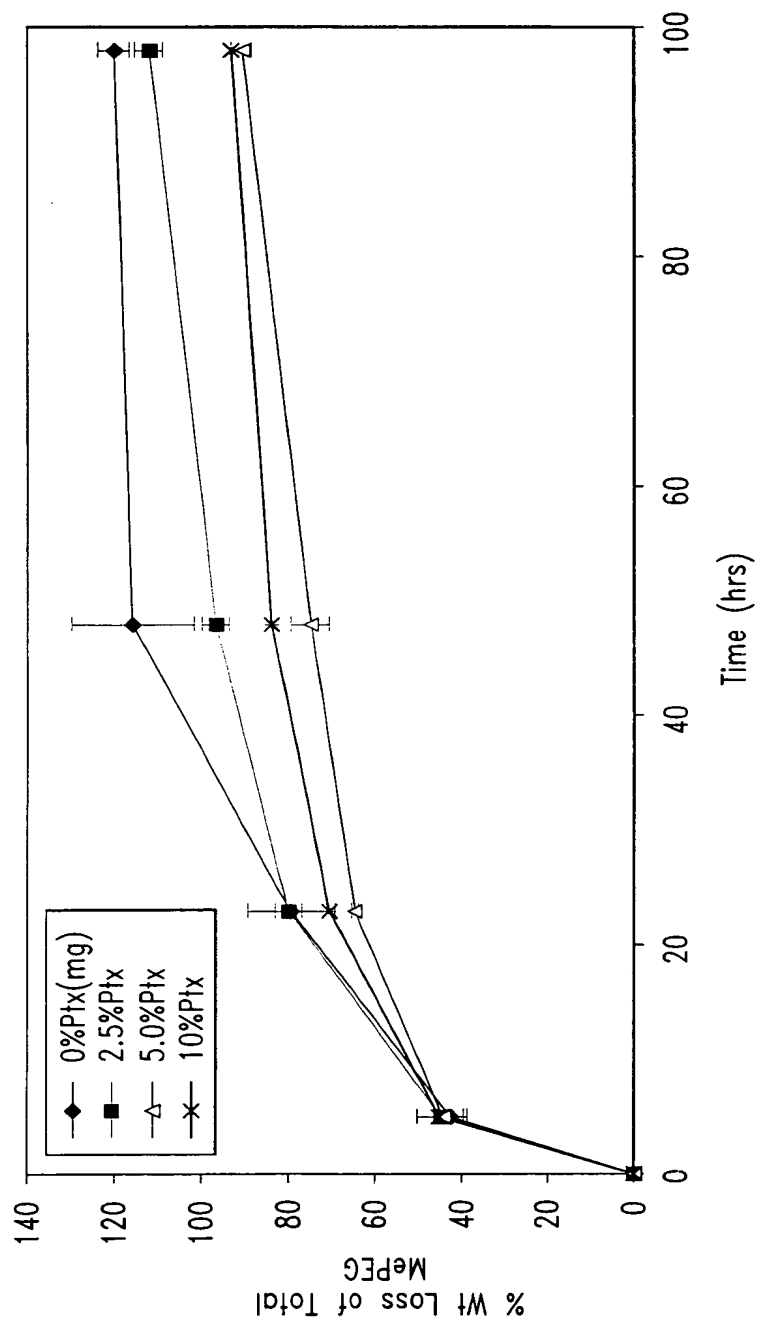
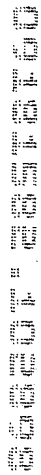
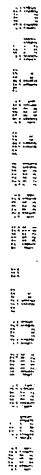


Fig. 11B

(continued)

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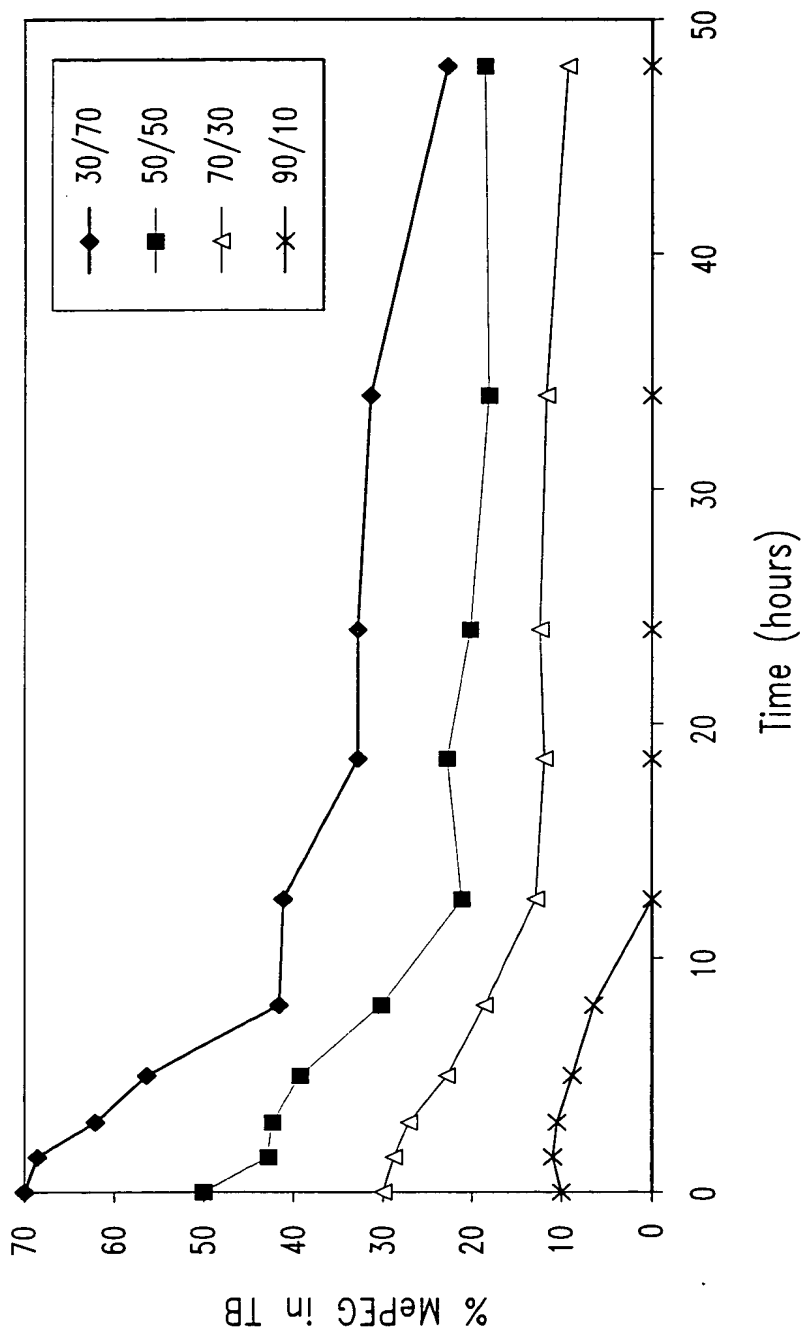


Fig. 11D

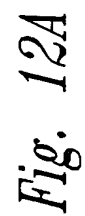


Fig. 12A

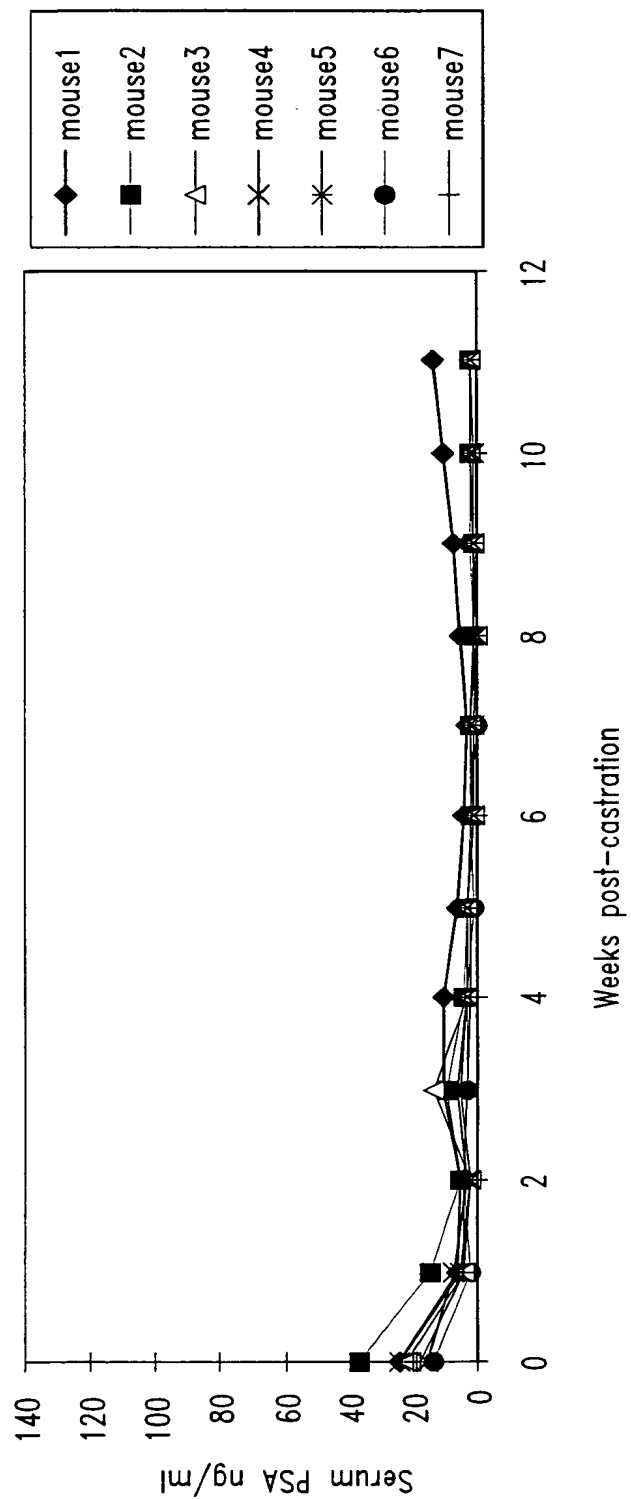


Fig. 12B

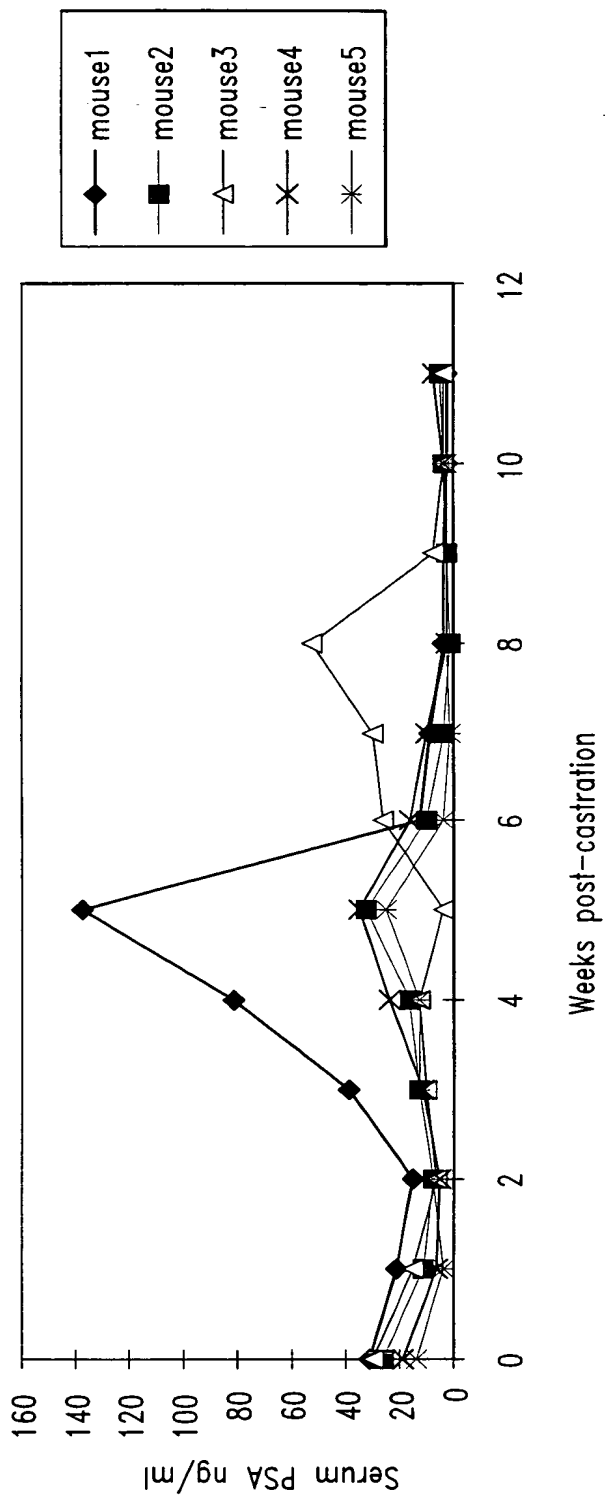


Fig. 12C

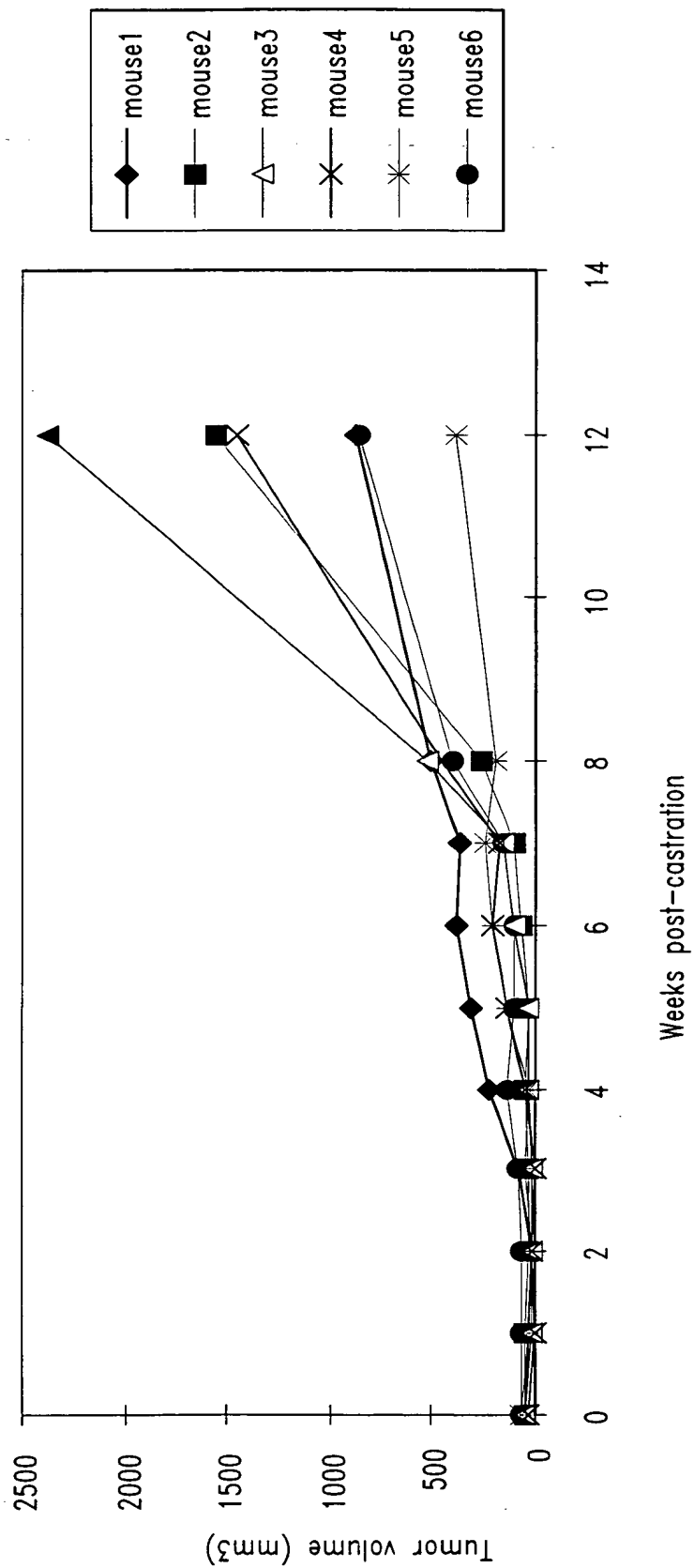


Fig. 13A

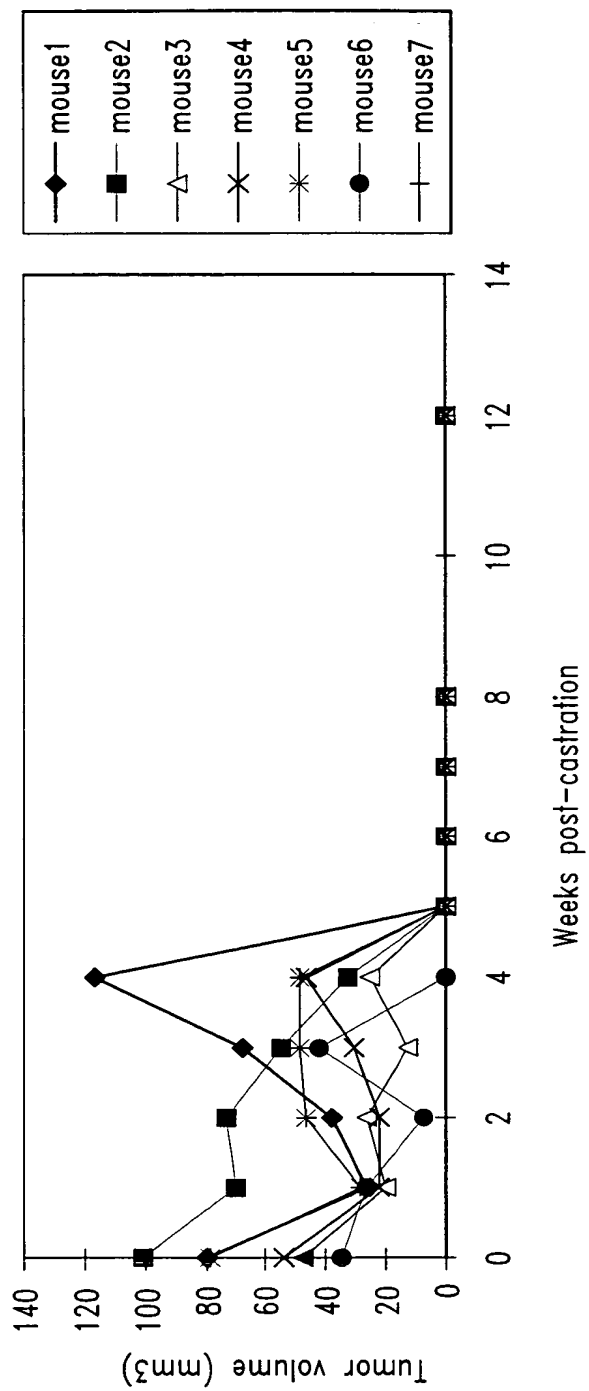


Fig. 13B

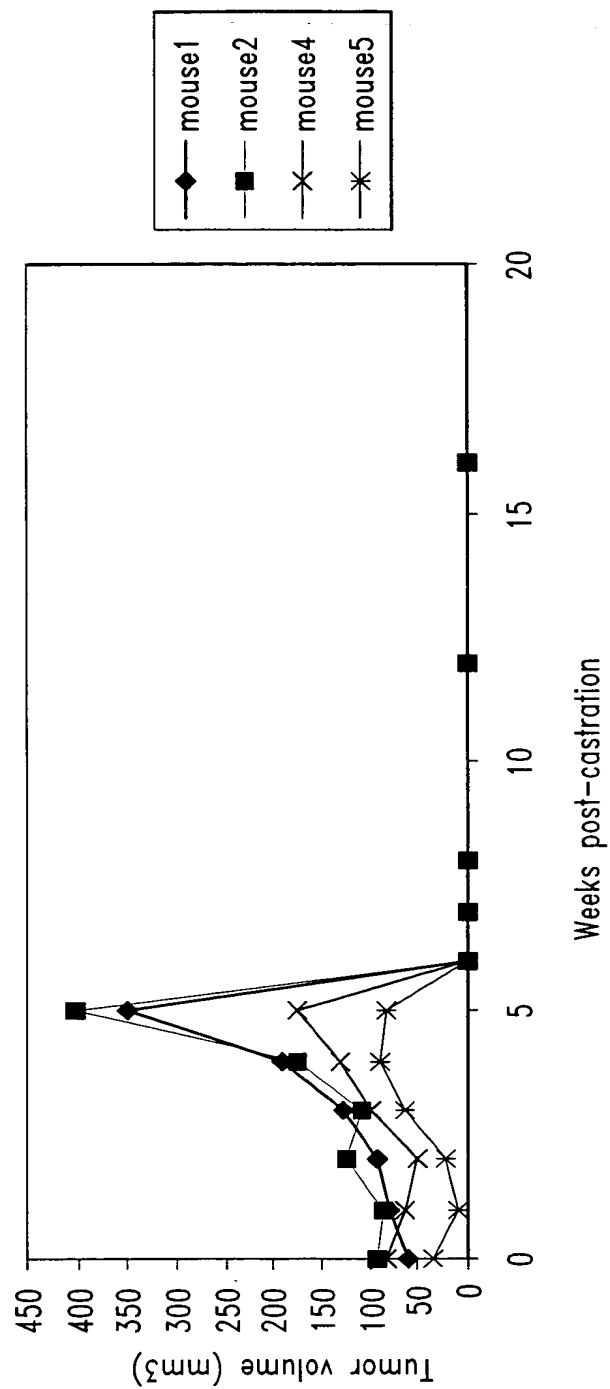


Fig. 13C